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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

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of

7

Complete if Known

Application Number	10/089,700
Filing Date	January 9, 2003
First Named Inventor	Robert Paul Anderson
Art Unit	1844
Examiner Name	David A. Saunders
Attorney Docket Number	BTG0008-100 (142769US01)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication/Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
DAS	AA	US-4,459,355	07-10-1984	Cello et al.	
	AB	US-4,536,475	08-20-1985	Anderson	
	AC	US-5,464,763	11-07-1995	Schilperoort et al.	
	AD	US-5,177,010	01-05-1993	Goldman et al.	
	AE	US-5,187,073	02-16-1993	Goldman et al.	
	AF	US-4,945,050	07-31-1990	Sanford et al.	
	AG	US-5,036,006	07-30-1991	Sanford et al.	
	AH	US-5,100,792	03-31-1992	Sanford et al.	
	AI	US-5,371,014	12-06-1994	Matsuyama et al.	
	AJ	US-5,478,744	12-26-1995	Sanford et al.	
	AK	US-5,179,022	01-12-1993	Sanford et al.	
	AL	US-5,565,346	10-15-1996	Facciotti	
	AM	US-5,484,956	01-16-1996	Lundquist et al.	
	AN	US-5,508,468	04-16-1996	Lundquist et al.	
	AO	US-5,538,877	07-23-1996	Lundquist et al.	
	AP	US-5,554,798	09-10-1996	Lundquist et al.	
	AQ	US-5,489,520	02-06-1996	Adams et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date/Filing Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
DAS	AR	EP 0255378	02-03-1988	Calgene		
	AS	WO 92/17580	10-15-1992	Rhone-Poulenc		
	AT	WO 98/45460	10-15-1998	Rhone-Poulenc		
	AU	WO 98/45461	10-15-1998	Rhone-Poulenc		
	AV	EP 267159	05-11-1988	Ciba-Geigy		N
	AW	EP 604662	07-06-1994	Japan Tobacco		
	AX	EP 672752	09-20-1995	Japan Tobacco		
	AY	EP 442174	08-21-1991	Pioneer Hi-Bred		
	AZ	EP 486233	05-20-1992	Pioneer Hi-Bred		

Examiner
Signature

David A. Saunders

Date
Considered

2/19/06

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Examiner Signature	<i>David A. Anderson</i>	Date Considered	<i>7/19/06</i>
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Sheet 3 of 7

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Application Number	10/089,700
Filing Date	January 9, 2003
First Named Inventor	Robert Paul Anderson
Art Unit	1644
Examiner Name	David A. Saunders
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		US-			
		US-			
		US-			
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	BM	WO 03/104273	12-18-2003	ISIS Innovation		
	BN	WO 02/083722	10-24-2002	Koning		
	BO	WO 03/066079	08-14-2003	Koning		
	BP	WO 03/096984	11-27-2003	Hausch		
	BQ	WO 98/23960	06-04-1998	ISIS Innovation		
	BR	WO 92/20809	11-26-1992	Agracetus		
	BS	WO 99/20775	04-29-1999	Rhone-Poulenc		
	DJ	EP 0693119	01-29-1997			

Examiner Signature	David A. Saunders	Date Considered	7/19/06
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Sheet 4 of 7

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Application Number	10/089,700
Filing Date	January 9, 2003
First Named Inventor	Robert Paul Anderson
Art Unit	1644
Examiner Name	David A. Saunders
Attorney Docket Number	BTG0008-100 (142769US01)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>DA</i>	BT	Altschul "A protein alignment scoring system sensitive at all evolutionary distances," <i>J Mol Evol</i> (1993) 36(3):290-300.	
	BU	Altschul et al., "Basic local alignment search tool," <i>J Mol Biol</i> (1990) 215(3):403-410.	
	BV	Bunce et al., "Phototyping: comprehensive DNA typing for HLA-A, B, C, DRB1, DRB3, DRB4, DRB5 & DQB1 by PCR with 144 primer mixes utilizing sequence-specific primers (PCR-SSP)," <i>Tissue Antigens</i> (1995) 46(5):355-367.	
	BW	Dalta et al., "Plant promoters for transgene expression," <i>Biotechnology Ann Rev</i> (1997) 3:269-296.	
	BX	Devereux et al., "A comprehensive set of sequence analysis programs for the VAX," <i>Nucleic Acids Research</i> (1984) 12(1 Pt 1):387-395.	
	BY	Greenberg et al., "Transglutaminases: multifunctional cross-linking enzymes that stabilize tissues," <i>FASEB</i> (1991) 5(15):3071-3077.	
	BZ	Henikoff "Amino acid substitution matrices from protein blocks," <i>Proc. Natl. Acad Sci USA</i> (1992) 89(22):10915-10919.	
	CA	Karlin et al., "Applications and statistics for multiple high-scoring segments in molecular sequences," <i>Proc Natl Acad USA</i> (1993) 90(12):5873-5887.	
	CB	Kohler et al., "Continuous cultures of fused cells secreting antibody of predefined specificity," <i>Nature</i> (1975) 256(5517):495-497.	
	CC	Kricka "Prospects for chemiluminescent and bioluminescent immunoassay and nucleic acid assays in food testing and the pharmaceutical industry," <i>J Biolumin Chemilumin</i> (1998) 13(4):189-193.	
<i>✓</i>	CD	Lalvani et al., "Rapid effector function in CD8+ memory T cells," <i>J Exp Med</i> (1997) 186(6):859-865.	

Examiner Signature	<i>David A. Saunders</i>	Date Considered	<i>7/18/06</i>
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**INFORMATION DISCLOSURE
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Sheet 5 of 7

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Application Number	10/089,700
Filing Date	January 9, 2003
First Named Inventor	Robert Paul Anderson
Art Unit	1644
Examiner Name	David A. Saunders
Attorney Docket Number	BTG0008-100 (142769US01)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>pus</i>	CE	Mantzaris et al., "In vivo toxicity of a synthetic dodecapeptide from A gliadin in patients with coeliac disease," <i>Gastroenterol.</i> (1991) 26(4):392-398.	
	CF	Maiuri et al., "In vitro activities of A-gliadin-related synthetic peptides: damaging effect on the atrophic coeliac mucosa and activation of mucosal immune response in the treated coeliac mucosa," <i>Scand J Gastroenterol.</i> (1996) 31(3):247-253.	
	CG	Molberg et al., "Tissue transglutaminase selectively modifies gliadin peptides that are recognized by gut-derived T cells in celiac disease," <i>Nature Med</i> (1998) 4(6):713-717.	
	CH	Mullighan et al., "High-resolution HLA-DQB1 typing using the polymerase chain reaction and sequence-specific primers," <i>Tissue Antigens</i> (1997) 50(6):688-692.	
	CI	Olerup et al., "HLA-DQB1 and -DQA1 typing by PCR amplification with sequence-specific primers (PCR-SSP) in 2 hours," <i>Tissue Antigens</i> (1993) 41(3):119-137.	
	CJ	Ota et al., "T-cell recognition of an immunodominant myelin basic protein epitope in multiple sclerosis," <i>Nature</i> (1990) 346(6280):183-187.	
	CK	Quarsten et al., "HLA binding and T cell recognition of a tissue transglutaminase-modified gliadin epitope," <i>Eur J Immunol</i> (1999) 29(8):2506-2514.	
	CL	Thurau et al., "Oral tolerance in a murine model of relapsing experimental autoimmune uveoretinitis (EAU): induction of protective tolerance in primed animals," <i>Clin Exp Immunol</i> (1997) 109(2):370-376.	
	CM	Vasil et al., "Herbicide Resistant Fertile Transgenic Wheat Plants Obtained by Microprojectile Bombardment of Regenerable Embryogenic Callus," <i>Biotechnology</i> (1992) 10:667-674.	
	CN	Weiner et al., "Oral tolerance: cytokine milieu in the gut and modulation of tolerance by cytokines," <i>Res Immunol</i> (1997) 148(8-9):528-533.	
<i>✓</i>	CO	Yoshida et al., "The oral administration of low-dose antigen induces activation followed by tolerization, while high-dose antigen induces tolerance without activation," <i>Clin Immunol Immunopathol</i> (1997) 82:207-215.	

Examiner
Signature*David A. Saunders*Date
Considered*7/18/06*

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Sheet	6	of	7

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	*CP	Sambrook et al., <i>Molecular Cloning: A Laboratory Manual</i> (1989).	
	*CQ	Vader et al., <i>Proceedings 8th International Symposium Coeliac Disease</i> .	
AS	CR	Anderson "Identification of the Immunodominant T-Cell Epitope in Agliadin Recognized by Coeliac Disease (CD) Patients in Vivo," (1999) A165.	
	CS	Dieterich et al., "Identification of tissue transglutaminase as the autoantigen of celiac disease," <i>Nature Medicine</i> (1997) 3(7):797-801.	
	CT	Gutgemann et al., "Induction of rapid T cell activation and tolerance by systemic presentation of an orally administered antigen," <i>Immunity</i> (1998) 8:667-673.	
	CU	McAdam et al., "Gliadin Specific Response by Small Intestinal T Cells," <i>Peptide Binding to HLA Molecules and T Cells</i> , Eighth International Symposium on Coeliac Disease, p. 17, (1999).	
	CV	Sjostrom et al., "Identification of a gliadin T-cell epitope in coeliac disease: general importance of gliadin deamidation for intestinal T-cell recognition," <i>Scand J Immunol</i> (1998) 48(2):111-115.	
	CW	Tian et al., "Antigen-based immunotherapy for autoimmune disease: from animal models to humans?" <i>Immunology Today</i> (1999) 20(4):190-195.	
	CX	Van de Wal et al., "Selective deamidation by tissue transglutaminase strongly enhances gliadin-specific T cell reactivity," <i>The Journal of Immunology</i> (1998) 161(4):1585-1588.	
	CY	Arentz-Hansen et al., "Celiac lesion T cells recognize epitopes that cluster in regions of gliadins rich in proline residues," <i>Gastroenterology</i> (2002) 123(3):803-809.	
	CZ	Jung et al., "From combinatorial libraries to MHC ligand motifs, T-cell superagonists and antagonists," <i>Biologicals</i> (2001) 29(3-4):179-181.	

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dal	DA	Mowat et al., "Coeliac disease—a future for peptide therapy?," <i>Lancet</i> (2000) 356(9226):270-271.	
	DB	Madsen et al., "A humanized model for multiple sclerosis using HLA-DR2 and a human T-cell receptor," <i>Nature Genetics</i> (1999) 23(3):343-347.	
	DC	Van de Wal et al., "Coeliac disease: it takes three to tango!," <i>Gut</i> (2000) 46(5):734-737.	
	DD	Vader et al., "Specificity of Tissue Transglutaminase Explains Cereal Toxicity in Celiac Disease," <i>Journal of Experimental Medicine</i> (2002) 195(5):643-649.	
	DE	Wieser et al., "Coeliac active peptides from gliadin: large-scale preparation and characterization," <i>Z Lebensm Unters Forsch</i> (1992) 194(3):229-234.	
	DF	Kumar et al., "Human genome search in celiac disease: mutated gliadin T-cell-like epitope in two human proteins promotes T-cell activation," <i>Journal of Molecular Biology</i> (2002) 319(3):579-599.	
	DG	Moustakas et al., "Structure of celiac disease-associated HLA-DQ8 and non-associated HLA-DQ9 alleles in complex with two disease-specific epitopes," <i>International Immunology</i> (2000) 12(8):1157-1166.	
	DH	Piper et al., "High Selectivity of Human Tissue Transglutaminase for Immunoactive Gliadin Peptides: Implications for Celiac Sprue," <i>Biochemistry</i> (2002) 41(1):386-393.	
	DI	Plebanski et al., "Protection from Plasmodium berghei infection by priming and boosting T cells to a single class I-restricted epitope with recombinant carriers suitable for human use," <i>Eur J Immunol</i> (1998) 28(12):4345-4355.	
	DJ	Anderson et al., "The α -gliadin gene family. II. DNA and protein sequence variation, subfamily structure, and origins of pseudogenes," <i>Theor Appl Genet</i> (1997) 95:59-65.	
dal	DK	Vader et al., "The gluten response in children with celiac disease is directed toward multiple gliadin and glutenin peptides," <i>Gastroenterology</i> (2002) 122:1729-1737.	

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